## Example Policy Management Rules Table

| TX/RX | Proxied | MES Source Port | MES Source Address | MES Dest Port | MES Dest Address | BPS (Available) | Process Name | Network | Location (GPS Coordinates) | Network Point of Attachment | User | Deny Request |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T/R | Y | Any | Any | 21 | Any | <100,000 | Any | Any | Any | Any | US Patent Office | Y |
| T/R | Y | Any | Any | 20 | Any | <100,000 | Any | Any | Any | Any | US Patent Office | Y |
| T | N | 5008 | Any | 5008 | 10.1.1.1 | | Any | Any | Any | Any | US Patent Office | N |
| R | N | 5008 | 10.1.1.1 | 5008 | Any | | Any | Any | Any | Any | US Patent Office | N |

Assumptions
1. Peer File Transfer Protocol control and data ports are 21 and 20
2. * indicates wildcard
3. MMS network address and port is 10.1.1.1: 5008
4. MES network port that frames from MMS is received on is 5008

In the example above all connections to destination ports 20 and 21 are denied or throttled if the available bandwidth is reduced to less then 100,000 bytes per second. In this example rules (rows) 3 and 4 only allow network traffic to flow to and from the MMS. All other network traffic that is not proxied is implicitly discarded. It should be appreciated that this table does not represent the full set of metrics that can be defined for policy management. Others variables such as monetary cost, location, network point of attachment, etc. can be added to the decision tree. Furthermore, the rules engine interpreting these entries can be distributed between the MES and MMS. As such either side or both may enforce the specified policy.
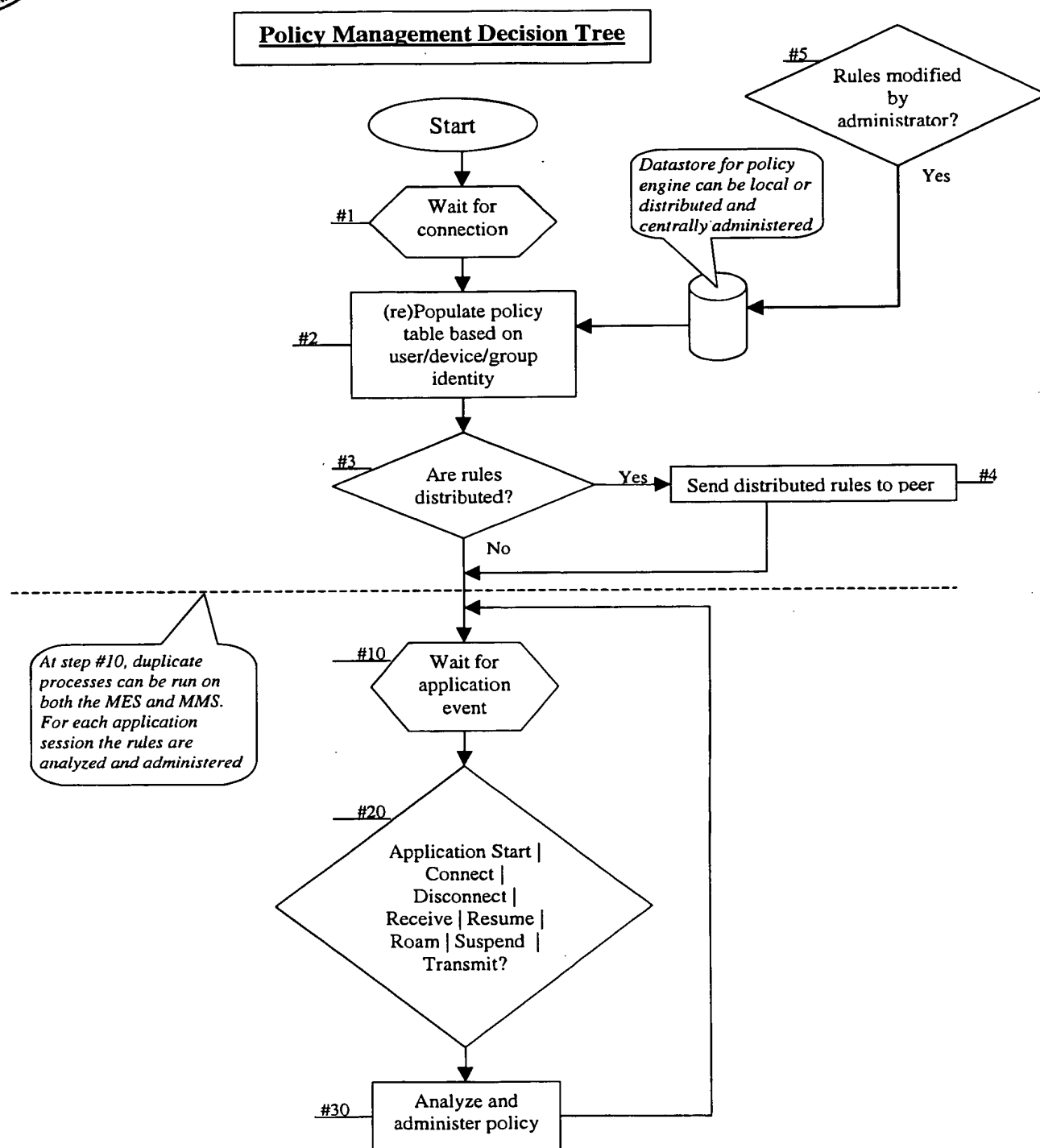
# Fig.24

Policy Management Decision Tree

#5 Rules modified by administrator?

Yes

Start

#1 Wait for connection

*Datastore for policy engine can be local or distributed and centrally administered*

#2 (re)Populate policy table based on user/device/group identity

#3 Are rules distributed?

Yes → Send distributed rules to peer #4

No

*At step #10, duplicate processes can be run on both the MES and MMS. For each application session the rules are analyzed and administered*

#10 Wait for application event

#20 Application Start | Connect | Disconnect | Receive | Resume | Roam | Suspend | Transmit?

#30 Analyze and administer policy

Fig.25